

WE CLAIM:

1        1. A resin-cemented optical element comprising a base member  
2 and a resin layer formed on a surface of the base member, wherein:

3            said resin layer is in a thickness of 300  $\mu\text{m}$  or smaller at least at a  
4 part of a region within 1 mm from the peripheral edge face of the resin  
5 layer; and

6            said resin layer is in a thickness of 850  $\mu\text{m}$  or larger at a position  
7 which is thickest in said resin layer.

1        2. The resin-cemented optical element comprising a base member  
2 and a resin layer formed on a surface of the base member, wherein:

3            said resin layer is in a thickness of 300  $\mu\text{m}$  or smaller at least at a  
4 part of a region outside an effective-diameter region; and

5            said resin layer is in a thickness of 850  $\mu\text{m}$  or larger at a position  
6 which is thickest in that layer.

1        3. The resin-cemented optical element according to claim 2,  
2 wherein:

3            at least at a part of the region outside an effective-diameter region,  
4            said resin layer has a thickness which becomes gradually smaller  
5 toward the periphery.

1        4. A mold for molding a resin layer of a resin-cemented optical

2 element having a base member and said resin layer formed on the surface  
3 of the base member, wherein

4           said mold has, on the outer periphery on the outside of a molding  
5       surface, a concavely curved surface which has a curvature larger than the  
6       molding surface.

1           5. An optical article comprising the resin-cemented optical  
2       element according to claim 1.

1           6. An optical article comprising the resin-cemented optical  
2       element according to claim 2.

1           7. An optical article comprising the resin-cemented optical  
2       element according to claim 3.

1           8. A fabrication process for a resin-cemented optical element  
2       having a base member and a resin layer formed on the surface of the base  
3       member, comprising,

4           a step of molding said resin layer with a mold having, on the outer  
5       periphery on the outside of a molding surface, a concavely curved surface  
6       which has a curvature larger than the molding surface.